Bureau of Air Permit Section
File Organization Cover Sheet

Source Name:	Real Alloy Recycling
ID Number:	031045ANE
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Comments:	Fugitive Dust Plan

Submitted by L. Marr

Attachment -2

Real Alloy Recycling, Inc.

Chicago Heights, IL

Fugitive Dust and Contingency Measures Plan

September 22, 2015

REAL ALLOY

Company Name & Address

Real Alloy Recycling, Inc.
400 East Lincoln Highway
Chicago Heights, IL 60411

Phone: (708)757-8901

1. **Responsible for Plan**

Larry Lipa – Plant Manager (708)757-8901
James Langston – HSE Manager (708)757-8902

2. Identification of Processes & Areas with Potential for Fugitive Emissions

The main industrial process at the facility is the Furnace production rotary area. This industrial process is located inside the main plant building and emissions are controlled by baghouses that are located outside.

Indoor Processes & Areas

Unloading and storage of various aluminum scraps
Aluminum melting and pouring
Shipping of solid aluminum products

Outdoor Processes & Areas (excluding general vehicle traffic activity)

Baghouses (5)
Raw Material Storage Area
Finished product Storage Area

(See attached facility layout map that identifies general areas of the plant)

3. **Vehicle Number & Mix Information**

Chicago Heights receives about 10 semi-truck load deliveries of raw materials and supplies each day. Approximately 5 shipments of finished products, 5 by-products and wastes are made via semi-trucks each day. Approximately 20 to 25 employee and visitor vehicles are on-site at a given time. Additionally, from 1 to 3 other smaller delivery vehicles are at the facility daily.

Large front-end loaders and lift trucks/skid loaders are used to move material inside the main plant building. Front-end loaders or lift trucks are used outside to move/load or unload materials.

All roads and parking lots within the facility are paved with an exception of the Southeast corner of the property.

Materials Handled (general)

4.

Aluminum Dross & Dross By-Products
Aluminum Scrap
Baghouse Dusts in Supersacks
Miscellaneous cleanup materials

5. **Equipment Used to Maintain Piles**

Front end loaders are used to move material.

6. **Measures to be Implemented to Control Fugitive Emissions**

(a) Access roads to facilities, storage and equipment shall be paved.
(b) Dust generating raw materials, by-products and wastes shall be stored under roof, covered or enclosed in a manner not conducive for fugitive dust generation.
(c) Sweep paved roads (at least once per month, weather permitting)
(d) Dross shall be stored under roof
(e) Saltcake for shipment to off-site processing facilities shall be loaded while inside a building.
(f) Loading of dross into trailers should not be done outside.
(g) Within the building, process equipment and dust collection equipment will be maintained to minimize the generation of fugitive dust.
(h) Prompt reporting to the Production Manager and / or the HSE Manager of any fugitive emissions that are observed to be emanating from the facility in quantities and under conditions that indicate a possibility that fugitive emissions may reach the property boundary.

7. **Dust Suppressant Information**

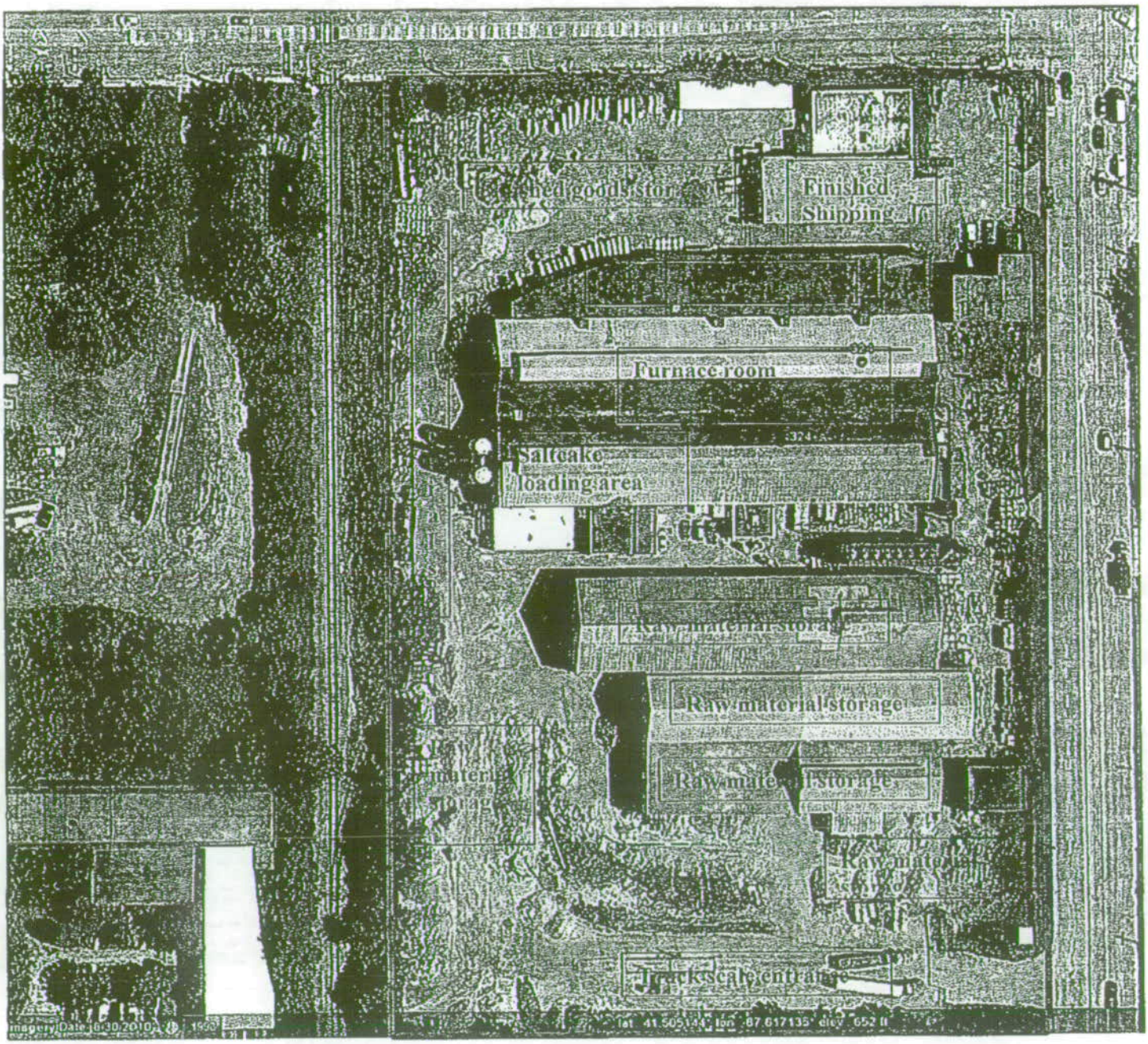
No oil or chemical dust suppressants are used at the facility.
Speed Limit on paved areas (3 mph)

8. **Collection & Suppressant Equipment**

(a) Manual Sweeping (brooms)
(b) Mechanical Sweeper (Pelican power sweeper)

9. Other Information

Questions regarding the content of this plan should be referred to the Plant Manager and/or the HSE Manager.


Finished
Shipping
Furnace room
Saltcake
loading area
Raw material storage
Raw material storage
Raw material storage
Raw materia
Truck scale entrance
Imagery Date: 6/30/2010
lat 41.505144° lon -87.617135° elev 652 ft